

# Marc Girons Lopez

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<b>Birth</b>	5 September 1986, Barcelona (Spain)	<b>Github://</b>	GironsLopez
<b>Nationality</b>	Spanish	<b>LinkedIn://</b>	marcgirons
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## EDUCATION

<b>2016</b>	<b>PhD, Hydrology</b> Uppsala University, Uppsala (Sweden)
<b>2011</b>	<b>MSc, Earth Sciences (Hydrology/Hydrogeology)</b> Uppsala University, Uppsala (Sweden)
<b>2009</b>	<b>BSc, Geology</b> Universitat Autònoma de Barcelona (UAB), Barcelona (Spain)
<b>2008</b>	<b>ERASMUS Program</b> Université Joseph Fourier (Grenoble 1), Grenoble (France)

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

**Girons Lopez, M.**, Wennerström, H., Nordén, L.-Å., Seibert, J. (2015) Location and density of Rain Gauges for the Estimation of Spatial Varying Precipitation. *Geografiska Annaler. Series A, Physical Geography*.

### MANUSCRIPTS UNDER PREPARATION

**Girons Lopez, M.**, Seibert, J. (2016). Influence of Meteorological Data Spatial Aggregation on Streamflow Modelling. *Manuscript submitted for publication*.

**Girons Lopez, M.**, Di Baldassarre, G., Seibert, J. (2016). Assessing the Impact of Social Memory on Flood Early Warning Systems. *Manuscript submitted for publication*.

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2016). Probabilistic Flood Mapping Using Volunteered Geographical Information. *Manuscript under preparation*.

### THESIS

**Girons Lopez, M.** (2011) Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania. *Master Thesis, Stockholm University, Sweden*.

### CONFERENCE CONTRIBUTIONS

**Girons Lopez, M.**, Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Impact of Social Memory on the Efficiency of Flood Early Warning Systems (FEWS). *13th Congress INTERPRAEVENT 2016, Lucerne, Switzerland*.

**Girons Lopez, M.**, Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Exploring the Role of Social Memory of Floods for Designing Flood Early Warning Operations. *EGU General Assembly, Vienna, Austria.*

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2015) Probabilistic Flood Mapping using Volunteered Geographical Information. *3rd CUAHSI Conference on Hydroinformatics, Tuscaloosa, Alabama.*

**Girons Lopez, M.**, Seibert, J., Halldin, S., Wennerström, H. (2013) Value of distributed precipitation for flood early warning: A case study for a pre-alpine catchment in Switzerland. *Knowledge for the Future - Joint IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden.*

Mbanguka, R. P., **Girons Lopez, M.**, Jarsjö, J. (2013) A Water Balance Model for Assessing Hydro Climatic Variability in Tropical Lake Systems: Application to Lake Babati and Lake Emakat, Northern Tanzania. *EGU General Assembly, Vienna, Austria.*

## TEACHING

### TRAINING

**2015 Academic Teacher Training Course II**  
Uppsala University, Uppsala (Sweden)

### INSTRUCTOR

#### **Climate and Landscape**

Uppsala University, Spring 2013

*Taught the part of the course related with water in the landscape*

#### **Hydrology and Water Resource Management**

Uppsala University, Autumn 2012 - 2016

*Taught the part of the course related with atmospheric water, led field runoff measurements and a water balance estimation project, constructed and graded exams.*

#### **Field Methods in Earth Science**

Uppsala University, Spring 2015 - 2016

*Taught how to use data loggers for environmental modelling and led a project on evapotranspiration estimation based on field measurements.*

#### **Groundwater and Surface Water Modelling**

Uppsala University, Spring 2015 - 2016

*Taught the fundamentals of hydrological with HBV, led a project on hydrological modelling and held a seminar.*

### TEACHING ASSISTANT

**Meteorology, hydrology and Environmental Measurement Techniques** Uppsala University, Autumn 2013 - 2016 *Led numerical exercise solving sessions, field measurements of a number of hydrological processes and processing of field data.*

**Distribution and Treatment of Drinking Water** Uppsala University, Autumn 2011 - 2012 *Assisted students during laboratory work, graded exercises and exams.*

**GIS for Water Resources** Uppsala University, Spring 2012 - 2016 *Constructed laboratory instructions and assisted students during laboratory work.*

**Runoff** Uppsala University, Autumn 2012 - 2014 *Assisted students during laboratory work.*

**Soil Mechanics and Engineering Geology** Uppsala University, Autumn 2012 - 2015 *Reviewed concepts of classical mechanics at the beginning of the course and graded exercises.*

**Groundwater and Runoff modelling** Uppsala University, Autumn 2012 - 2014 *Led a project on hydrological modelling using HBV and graded reports.*

**Statistical Methods in Hydrology** Uppsala University, Spring 2012 *Graded exams.*

**Snow Physics and Hydrology** Uppsala University, Fall 2015 *Assisted students during laboratory work.*

**Field Course in Earth Science II** Uppsala University, Spring 2013 - 2014 *Led field measurements of a number of hydrological processes.*

**Global Hydrology** Uppsala University, Autumn 2011 *Led topographic field measurements.*

## OTHER ACADEMIC ACTIVITIES

**2016**      **Translator for EGU's Planet Press outreach initiative**

- Picturing the Northern Lights (Spanish translation)

- Tiny Plankton could have a big impact on Earth's climate (Spanish translation)

## REPRESENTATION DUTIES

**2014 - 2016**   PhD student representative at the Centre for Natural Disaster Science (CNDS)  
Program board

**2013**          PhD student representative at the Department of Earth Sciences Board,  
Uppsala University, Uppsala, Sweden

**2007**          Student representative at the Geology Section Board, Universitat Autònoma de  
Barcelona, Barcelona, Spain

## GRANTS, AWARDS, & HONOURS

**2016**          EGU Photo contest 2016 winner

**2014**          Liljewalchs travel grant

**2010**          The Swedish-Spanish Foundation for the Promotion of Education and  
Studies Scholarship

**2007**          ERASMUS Scholarship

## SKILLS

### PROGRAMMING

Python • Matlab • L<sup>A</sup>T<sub>E</sub>X • Markdown

## SOFTWARE

ArcGIS • QGIS • HBV

## LANGUAGES

**Native:** Catalan • Spanish

**Fluent:** English • French

**Intermediate:** Swedish